PATENT COOPERATION TREATY

LAKE DAWSON WALDRON PATENT SERVICES

RECEIVED: 2 1 JAN 2005

From the: / INTERNATIONAL SEARCHING AUTHORITY

To: Blake Dawson Waldron Level 20, 101 Celling G	PCT DATA ENTERED				
Level 39, 101 Collins Street Melbourne VIC 3000	WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY				
	(PCT Rule 43bis.1)				
	Date of mailing (day/month/year) 2 0 JAN 2005				
Applicant's or agent's file reference	FOR FURTHER ACTION				
13773769	See paragraph 2 below				
	date (day/month/year) Priority date (day/month/year)				
PCT/AU2004/001690 3 December 200	4 3 December 2002				
International Patent Classification (IPC) or both national classif	fication and IDC				
Int. Cl. ' C07D 403/04; 403/14; 413/14; 471/04; A61K	31/497; A61P 31/12; 37/00				
Applicant					
CYTOPIA RESEARCH PTY LTD et al					
1. This opinion contains indications relating to the following	items:				
X Box No. I Basis of the opinion	·				
Box No. II Priority					
Box No. III Non-establishment of opinion with regard	en de la companya de				
Box No. IV Lack of unity of invention	to novelty, inventive step and industrial applicability				
The supporting such	(i) with regard to novelty, inventive step or industrial applicability; statement				
Box No. VII Certain defects in the international applicat					
Box No. VIII Certain observations on the international ap	pplication				
2. FURTHER ACTION					
If a demand for international preliminary examination is made, this opinion will be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority other than this one to Searching Authority will not be so considered.					
If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later. For further options, see Form PCT/ISA/220.					
2	·				
3. For further details, see notes to Form PCT/ISA/220.					
Name and mailing address of the IPEA/AU	Authorized Officer				
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IAP9 Rec'd PCTPTO 01 JUN 20

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No.

PCT/AU2004/001690

Bo	x No. I	Basis of the opinion
1.	With reg which it	ard to the language, this opinion has been established on the basis of the international application in the language in was filed, unless otherwise indicated under this item.
	the	opinion has been established on the basis of a translation from the original language into following language , which is the language of a translation furnished for the purposes of mational search (under Rules 12.3 and 23.1(b)).
2.	With reg claimed i	ard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the invention, this opinion has been established on the basis of:
	a. type	f material
		a sequence listing
		table(s) related to the sequence listing
	b. forma	t of material
		in written format in computer readable form
	c. time	f filing/furnishing
		contained in the international application as filed.
		filed together with the international application in computer readable form.
		furnished subsequently to this Authority for the purposes of search.
3.	filed	Idition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been or furnished, the required statements that the information in the subsequent or additional copies is identical to that e application as filed or does not go beyond the application as filed, as appropriate, were furnished.
4.	Additiona	l comments:
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WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No.

PCT/AU2004/001690

Box No. V Reasoned statement unapplicability; citations and applicability; citations and applicability and applic		nder Rule 43 <i>bis</i> .1(a)(i) with regard to novelty, inventive step or industrial and explanations supporting such statement	
No	velty (N)	Claims .	YES
		Claims 1-12	. NO
· Inv	ventive step (IS)	Claims	YES
		Claims 1-12	NO
Inc	lustrial applicability (IA)	Claims 1-12	YES
		Claims	NO

2. Citations and explanations:

The following documents identified in the International Search Report have been considered for the purposes of this report:

D1 WO 2000/062778

D2 WO 2003/099811 (P,X document; see Box V1)

Novelty (N) and Inventive Step (IS) Claims 1-12

The present invention relates to pyrazine derivatives of formula 1 for use as kinase inhibitors. The compounds include D as a heterocyclic ring selected from imidazole.

However, D1 clearly discloses and teaches kinase inhibitors, particularly, compound 486 at page 165 wherein group D represents imidazole and A is hetaryl as in claim 1 of the present invention.

Therefore the invention as defined in claims 1-12 is not novel and lacks an inventive step.

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No.

PCT/AU2004/001690

Box	x No. VI Certain documen	ts cited		
1.	Certain published documents (R	ules 43bis.1 and 70.10)		
	Application No. Patent No.	Publication date (day/month/year)	Filing date (day/month/year)	Priority date (valid claim) (day/month/year)
	WO 2003/099881	04/12/2004	23/05/2003	23/05/2002
	-			
Co	mpounds of formula 1 of the p	present invention are fully d	lisclosed in D2, WO 2003/0	099881.
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		·	·	
2.				
۷.	Non-written disclosures (Rules	43 <i>bis</i> .1 and 70.9)	·	
۷.	Non-written disclosures (Rules - Kind of non-written disclosure			Date of written disclosure ferring to non-written disclosure (day/month/year)
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.		Date of non-wr		ferring to non-written disclosure
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	Kind of non-written disclosure	Date of non-wr	nth/year) re	ferring to non-written disclosure (day/month/year)
	Kind of non-written disclosure	Date of non-wr (day/mor	nth/year) re	ferring to non-written disclosure (day/month/year)
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	Kind of non-written disclosure	Date of non-wr (day/mor	nth/year) re	ferring to non-written disclosure (day/month/year)

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No.

	PCT/AU2004/001690					
Box No. VIII Certain observations on the international application						
The following observations on the clarity of the claims, description, and drawings or on the question whether the claims are fully supported by the description, are made: Claim 3 is not clear. Several of the compounds recited in claim 3 do not appear to fall within the scope of claim 1. These compounds include the last five compounds illustrated at page 62 of the instant application.						
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